

ABSTRACT OF THE DISCLOSURE

**DYNAMIC GENERATION OF XML SCHEMA FOR
BACKEND DRIVEN DATA VALIDATION**

The present invention comprises a Schema Generation Program (SGP) and Schema Update Program (SUP). The SGP creates an initial XML Schema and copies the database into a hashtable. At the occurrence of a query interval, the SGP compares the database to the hashtable. If the database is identical to the hashtable, then the SGP resets the query interval and repeats the comparison. If the database and the hashtable are not identical, then the SGP deletes the old hashtable, stores a copy of the database as a new hashtable, and creates a new XML Schema. The XML Schema is stored in the web server so that a registered party may access the XML Schema and check the validity of a group of data before sending the data to the web server as a proposed addition to the database. The SUP notifies registered parties of updates to the XML Schema.